

Handwritten signature of Russell Hardy in black ink, with a checkmark to the right.

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Date: 11/21/2007 2:59 PM
Subject: Emery Subsidence Report
Attachments: Emery Subsidence 11-19-07.pdf

CC: <karlhouskeeper@utah.gov>, <waynewestern@utah.gov>, <SteveChristensen@ut...>
Please find attached the subsidence report for October .

-Russell

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Consolidation Coal Emery Mine Subsidence Report for October 2007

10-19-07 Panel 14 West - Walked road and powerlines. Noted noticed some cracks on the road and don't know if they are subsidence or not. GPS cracks. PB
0 North - No cracks over 0 North. Pillaring began today. PB



10-26-07 Panel 14 West - mining completed. RH

10-27-07 Panel 14 West - Small cracks developing on Bret Carter's land. Cracks range from 1/4" to 3" in width and run from 6ft to 8 ft long and across the dirt access road to the property. Water is still flowing. Small 1/4" cracks under the powerline but are weathered and not likely new. BH
0 North - No subsidence showing over 0 North. BH

10-30-07 Panel 15 West - mining started. RH

11-1-07 0 North – No subsidence noticed. PB

11-2-07 Panel 14 West – No new subsidence. PB
Panel 15 West – No subsidence pillaring just started. PB

11-8-07 Panel 14 West – Found a new crack on the road not sure if it is subsidence or just the oil cracking. No safety concerns. PB

11-9-07 Panel 14 West – No new cracks or subsidence noticed. PB
Panel 15 West – Some cracks at the end of the panel where we are mining. Not sure but they look like they may have been from Panel 14 West. PB
0 North – No cracks found. PB

11-14-07 Panel 14 West – Some new hairline cracks about 1/8" wide in the road. No safety concerns. No cracks or subsidence under powerline. PB

Below is a summary of the flow data from SP-10 collected by Karla Knoop, from JBR Environmental.

Consol Emery Mine
Panel 14th West
Bryant No. 1
Flow Measurements made at dam
breach
Measurements taken by Karla Knoop

Date	Flow (gpm)
6/13/2007	77
7/24/2007	52
8/28/2007	75
9/20/2007	69
10/19/2007	59